

## EAST Search History

Ref	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	16	(( (specimen analyte sample) with (simultaneously concurrently coincidently "at the same time" "at the same instant") with (exposed subject exposure subjected)) with (((("non-reactive" non\$1reactive "non-reacting" non\$1reacting inert nitrogen argon krypton helium) near3 (fluid gas liquid vapor fog mist cloud)) ((reactive reaction reactingoxygen hydrogen ammonia) near3 (fluid gas liquid vapor fog mist cloud))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/03/06 07:34
L2	96	(( (specimen analyte sample) same ((simultaneously concurrently coincidently "at the same time" "at the same instant") with (exposed subject exposure subjected))) same (((("non-reactive" non\$1reactive "non-reacting" non\$1reacting inert nitrogen argon krypton helium) near3 (fluid gas liquid vapor fog mist cloud)) ((reactive reaction reactingoxygen hydrogen ammonia) near3 (fluid gas liquid vapor fog mist cloud))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/03/06 07:56
L3	2	((((plural several many numerous plurality multiple) with (specimen analyte sample) with ((simultaneously concurrently coincidently "at the same time" "at the same instant") with (exposed subject exposure subjected))) same (((("non-reactive" non\$1reactive "non-reacting" non\$1reacting inert nitrogen argon krypton helium) (reactive reaction reacting oxygen hydrogen ammonia)) near3 (fluid gas liquid vapor fog mist cloud plasma))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/03/06 08:01
L4	70	((((plural several many numerous plurality multiple) with (specimen analyte sample) with ((simultaneously concurrently coincidently "at the same time" "at the same instant") with (exposed subject exposure subjected))) and (((("non-reactive" non\$1reactive "non-reacting" non\$1reacting inert nitrogen argon krypton helium) (reactive reaction reacting oxygen hydrogen ammonia)) near3 (fluid gas liquid vapor fog mist cloud plasma))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/03/06 08:01
S246	38	((reaction reacting) near3 (chamber vessel enclosure assembly)) and ((slidable slidably moveable displaceable) same (along contiguous coincident coincidentally contiguously) same ((housing enclosure body) near3 axis))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/26 09:19

## EAST Search History

S247	18	(lustig same steven).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2007/02/26 09:02
S248	735	(lustig).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2007/02/26 09:02
S249	8	(foggin same gary).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2007/02/26 09:03
S250	8	(foggin same g).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2007/02/26 09:03
S251	20	(foggin).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2007/02/26 09:03
S252	5	(agreen same robert).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2007/02/26 09:04
S253	4	(agreen same r).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2007/02/26 09:04
S254	9	(agreen).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2007/02/26 09:04
S255	4112	dupont.as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2007/02/26 09:04

## EAST Search History

S256	0	(computer (reaction near3 apparatus) simultaneously conducting chemical plurality sample maintaining isolation identical condition (cylindrical near3 reactor near3 housing) bore (central near3 axis) (loading load unload unloading) near3 (part portion section) airlock (analytical near3 monitoring) system (drive near3 section) (distribution near3 manifold near3 system) (gas near3 distribution near3 pressure near3 control near3 system) (positioning near3 system) (temperature near3 control near3 system) (reaction near3 assembly) contained (reactor near3 housing) movable direction along axis port (fluid near3 distribution near3 manifold) (sample near3 holder) (plurality near3 sample near3 holding near3 position) (analytical near3 monitoring near3 system) (optical near3 port) source detector ((ultraviolet or visible or infrared) near3 wavelength) characterize (computer near3 controller) (predetermined near3 monitoring near3 position))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/02/26 10:06
S257	0	(computer (reaction near3 apparatus) chemical sample maintaining isolation identical condition (cylindrical near3 reactor near3 housing) bore (central near3 axis) (loading load unload unloading) near3 (part portion section) airlock (analytical near3 monitoring) system (drive near3 section) (distribution near3 manifold) system (gas near3 distribution near3 pressure near3 control) positioning (temperature near3 control) (reaction near3 assembly) (reactor near3 housing) movable direction along axis port (fluid near3 distribution near3 manifold) (sample near3 holder) (plurality near3 sample near3 holding near3 position) (analytical near3 monitoring) (optical near3 port) source detector ((ultraviolet or visible or infrared) near3 wavelength) characterize (computer near3 controller) (predetermined near3 monitoring near3 position))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/02/26 10:08

## EAST Search History

S258	1	((chemical near3 reaction near3 (apparatus device mechanism machine assembly system)) and sample and maintaining and isolation and identical and condition and (cylindrical near3 reactor near3 housing) and bore and (central near3 axis) and (loading load unload unloading) near3 (part portion section) and airlock and (analytical near3 monitoring) and (drive near3 section) and (distribution near3 manifold) and (gas near3 distribution near3 pressure near3 control) and positioning and (temperature near3 control) and (reactor near3 housing) and movable and direction and along and axis and port and (fluid near3 distribution near3 manifold) and (sample near3 holder) and (plurality near3 sample near3 holding near3 position) and (analytical near3 monitoring) and (optical near3 port) and source and detector and ((ultraviolet or visible or infrared) near3 wavelength) and characterize and (computer near3 controller) and (predetermined near3 monitoring near3 position))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/26 10:13
S259	1	((chemical near3 reaction near3 (apparatus device mechanism machine assembly system)) and (cylindrical near3 reactor near3 housing) and bore and (central near3 axis) and (loading load unload unloading) near3 (part portion section) and airlock and (analytical near3 monitoring) and (drive near3 section) and (distribution near3 manifold) and (gas near3 distribution near3 pressure near3 control) and positioning and (temperature near3 control) and (reactor near3 housing) and axis and port and (fluid near3 distribution near3 manifold) and (sample near3 holder) and (plurality near3 sample near3 holding near3 position) and (analytical near3 monitoring) and (optical near3 port) and source and detector and ((ultraviolet or visible or infrared) near3 wavelength) and characterize and (computer near3 controller) and (predetermined near3 monitoring near3 position))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/26 10:14

## EAST Search History

S260	1	((chemical near3 reaction near3 (apparatus device mechanism machine assembly system)) and (cylindrical near3 reactor near3 housing) and bore and axis and airlock and (analytical near3 monitoring) and (drive near3 section) and (distribution near3 manifold) and (gas near3 distribution near3 pressure near3 control) and (temperature near3 control) and (reactor near3 housing) and port and (fluid near3 distribution near3 manifold) and (sample near3 holder) and (plurality near3 sample near3 holding near3 position) and (analytical near3 monitoring) and (optical near3 port) and source and detector and ((ultraviolet or visible or infrared) near3 wavelength) and (computer near3 controller) and (predetermined near3 monitoring near3 position)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/26 10:16
S261	0	702/31.ccls. and (((reaction reacting) near3 (chamber vessel enclosure assembly)) and ((slidable slidably moveable displaceable) same (along contiguous coincident coincidentally contiguously) same ((housing enclosure body) near3 axis))))clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/26 10:30
S262	0	702/30.ccls. and (((reaction reacting) near3 (chamber vessel enclosure assembly)) and ((slidable slidably moveable displaceable) same (along contiguous coincident coincidentally contiguously) same ((housing enclosure body) near3 axis))))clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/26 10:17
S263	1	(apparatus device machine mechanism appliance system) same testing same ((plurality many plural several multiple numerous multiplicity) near3 sample) and ((first primary initial) near3 (chamber cavity cell) same sample same (simultaneously near3 exposed) same (non\$1 reactive near3 fluid)) and (((second secondary subsequent other another) near3 (chamber cavity cell)) same sample same (simultaneously near3 exposed) same (reactive near3 fluid)) and analyzer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/26 10:24
S264	0	(apparatus device machine mechanism appliance system) same testing same ((plurality many plural several multiple numerous multiplicity) near3 sample) and ((first primary initial) near3 (chamber cavity cell) same sample same (simultaneously near3 exposed) same (predetermined near3 temperature)) and (((second secondary subsequent other another) near3 (chamber cavity cell)) same sample same (simultaneously near3 exposed) same (reactive near3 fluid)) and analyzer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/26 10:25

## EAST Search History

S265	1	(apparatus device machine mechanism appliance system) same testing same ((plurality many plural several multiple numerous multiplicity) near3 sample) and ((first primary initial) near3 (chamber cavity cell) same sample same (simultaneously "at the same time") same (predetermined near3 temperature)) and (((second secondary subsequent other another) near3 (chamber cavity cell)) same sample same (simultaneously near3 exposed) same (reactive near3 fluid)) and analyzer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/26 10:27
S266	1	(apparatus device machine mechanism appliance system) same testing same ((plurality many plural several multiple numerous multiplicity) near3 sample) and (sample near3 (holder tray carriage)) and (holder near3 cover) and analyzer and (slidable slidably moveable moveably displaceable slid)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/26 10:30
S267	0	702/30.ccls. and ((apparatus device machine mechanism appliance system) same testing same ((plurality many plural several multiple numerous multiplicity) near3 sample) and ((first primary initial) near3 (chamber cavity cell) same sample same (simultaneously near3 exposed) same (non\$1 reactive near3 fluid)) and (((second secondary subsequent other another) near3 (chamber cavity cell)) same sample same (simultaneously near3 exposed) same (reactive near3 fluid)) and analyzer).clm.	US-PGPUB	OR	ON	2007/02/26 10:34
S268	0	702/31.ccls. and ((apparatus device machine mechanism appliance system) same testing same ((plurality many plural several multiple numerous multiplicity) near3 sample) and ((first primary initial) near3 (chamber cavity cell) same sample same (simultaneously near3 exposed) same (non\$1 reactive near3 fluid)) and (((second secondary subsequent other another) near3 (chamber cavity cell)) same sample same (simultaneously near3 exposed) same (reactive near3 fluid)) and analyzer).clm.	US-PGPUB	OR	ON	2007/02/26 10:35
S269	0	702/30.ccls. and ((apparatus device machine mechanism appliance system) same testing same ((plurality many plural several multiple numerous multiplicity) near3 sample) and ((first primary initial) near3 (chamber cavity cell) same sample same (simultaneously "at the same time") same (predetermined near3 temperature)) and (((second secondary subsequent other another) near3 (chamber cavity cell)) same sample same (simultaneously near3 exposed) same (reactive near3 fluid)) and analyzer).clm.	US-PGPUB	OR	ON	2007/02/26 10:35

## EAST Search History

S270	0	702/31.ccls. and ((apparatus device machine mechanism appliance system) same testing same ((plurality many plural several multiple numerous multiplicity) near3 sample) and ((first primary initial) near3 (chamber cavity cell) same sample same (simultaneously "at the same time") same (predetermined near3 temperature)) and (((second secondary subsequent other another) near3 (chamber cavity cell)) same sample same (simultaneously near3 exposed) same (reactive near3 fluid)) and analyzer).clm.	US-PGPUB	OR	ON	2007/02/26 10:35
S271	0	702/30.ccls. and ((apparatus device machine mechanism appliance system) same testing same ((plurality many plural several multiple numerous multiplicity) near3 sample) and (sample near3 (holder tray carriage)) and (holder near3 cover) and analyzer and (slidable slidably moveable moveably displaceable slid)).clm.	US-PGPUB	OR	ON	2007/02/26 10:35
S272	0	702/31.ccls. and ((apparatus device machine mechanism appliance system) same testing same ((plurality many plural several multiple numerous multiplicity) near3 sample) and (sample near3 (holder tray carriage)) and (holder near3 cover) and analyzer and (slidable slidably moveable moveably displaceable slid)).clm.	US-PGPUB	OR	ON	2007/02/26 10:35
S273	0	g06f19/00.ipc. and ((apparatus device machine mechanism appliance system) same testing same ((plurality many plural several multiple numerous multiplicity) near3 sample) and ((first primary initial) near3 (chamber cavity cell) same sample same (simultaneously near3 exposed) same (non\$1 reactive near3 fluid)) and (((second secondary subsequent other another) near3 (chamber cavity cell)) same sample same (simultaneously near3 exposed) same (reactive near3 fluid)) and analyzer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/26 10:36
S274	0	g06f19/00.ipc. and ((apparatus device machine mechanism appliance system) same testing same ((plurality many plural several multiple numerous multiplicity) near3 sample) and ((first primary initial) near3 (chamber cavity cell) same sample same (simultaneously "at the same time") same (predetermined near3 temperature)) and (((second secondary subsequent other another) near3 (chamber cavity cell)) same sample same (simultaneously near3 exposed) same (reactive near3 fluid)) and analyzer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/26 10:36

## EAST Search History

S275	0	g06f19/00.ipc. and ((apparatus device machine mechanism appliance system) same testing same ((plurality many plural several multiple numerous multiplicity) near3 sample) and (sample near3 (holder tray carriage)) and (holder near3 cover) and analyzer and (slidable slidably moveable moveably displaceable slid))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/26 10:42
S276	4774	g06f19/00.ipc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/26 10:42
S277	376	702/30.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/26 10:42
S278	222	702/31.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/26 10:43
S279	0	(S276 S277 S278) and (chemical and react\$3 and ((simultaneous\$2 near3 expos\$3) with (sample specimen)) and (holder container stage tray) and ((reactive non\$1reactive) near3 (liquid fluid plasma gas)) and (analyzer analyser computer processor controller micro\$1controller micro\$1computer micro\$1processor ((analysis analysing analyzing) near3 (unit apparatus instrument section portion part device))) and (react\$3 near3 (chamber cavity housing enclosure reservoir)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/26 11:00
S280	2	(chemical and react\$3 and ((simultaneous\$2 near3 expos\$3) with (sample specimen)) and (holder container stage tray) and ((reactive non\$1reactive) near3 (liquid fluid plasma gas)) and (analyzer analyser computer processor controller micro\$1controller micro\$1computer micro\$1processor ((analysis analysing analyzing) near3 (unit apparatus instrument section portion part device))) and (react\$3 near3 (chamber cavity housing enclosure reservoir)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/26 11:01
S281	0	(apparatus testing plurality sample first chamber simultaneously exposed non\$1reactive fluid second chamber isolated first chamber each sample simultaneously exposed reactive fluid analyzer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/02/27 13:58



## EAST Search History

S282	41	((apparatus device instrument machine mechanism) same (examining investigating investigation examination test investigate examine testing) same (several many plurality multiple numerous multiplicity plurality) same (specimen sample analyte) same ((first initial primary) near3 (cavity chamber)) same (simultaneously "at the same time") same (exposure exposed "subject to") same (non\$1reactive near3 (liquid fluid)) same ((second another other secondary ancillary) near3 (chamber cavity)) same (isolated separate isolation separation) (reactive near3 (liquid fluid)) same (analyzer (analysis near3 (unit part section portion module))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/27 15:15
S283	7223	((apparatus device instrument machine mechanism) same (examining investigating investigation examination test investigate examine testing) same ((several many plurality multiple numerous multiplicity plurality) near3 (specimen sample analyte)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/27 15:19
S284	0	((chamber space cavity volume) same ((each every all entire) with (sample specimen analyte)) same (((simultaneously "at the same time") near3 (exposed "subjected to"))) with (non\$1reactive inert nitrogen) near3 (liquid gas fluid)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/27 15:30
S285	220678	analyzer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/27 15:29
S286	7	((chamber space cavity volume) and ((each every all entire) with (sample specimen analyte)) and ((simultaneously "at the same time") near3 (exposed "subjected to"))) same ((non\$1reactive inert nitrogen) near3 (liquid gas fluid)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/27 15:35
S287	0	((isolated detached secluded apart confined separate remote) same (chamber space cavity volume) same ((each every all entire) with (sample specimen analyte)) same ((simultaneously "at the same time") near3 (exposed "subjected to"))) same (reactive near3 (liquid gas fluid)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/27 15:31
S288	0	((isolated detached secluded apart confined separate remote) same (chamber space cavity volume) same ((each every all entire) with (sample specimen analyte)) same ((simultaneously "at the same time") near3 (exposed "subjected to"))) with (reactive near3 (liquid gas fluid)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/27 15:32

## EAST Search History

S289	0	((isolated detached secluded apart confined separate remote) and (chamber space cavity volume) and ((each every all entire) with (sample specimen analyte)) and ((simultaneously "at the same time") near3 (exposed "subjected to")) same (reactive near3 (liquid gas fluid)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/27 15:33
S290	48	((chamber space cavity volume) and ((each every all entire) with (sample specimen analyte)) and ((simultaneously "at the same time") near3 (exposed "subjected to")) and ((non\$1 reactive inert nitrogen) near3 (liquid gas fluid)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/27 15:34
S291	14	S285 and S290	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/27 15:34
S292	0	(chamber space cavity volume) and ((each every all entire) near3 (sample specimen analyte)) and ((simultaneously "at the same time") near3 (exposed "subjected to")) and ((non\$1 reactive inert nitrogen) near3 (liquid gas fluid)) and (reactive near3 (liquid gas fluid)) and (analyzer (analysis near3 (unit portion module section part instrument device apparatus appliance))) and ((plural many several plurality multiple numerous multiplicity) near3 (sample specimen analyte))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/27 15:41
S293	26	(chamber space cavity volume) and ((each every all entire) near3 (sample specimen analyte)) and ((simultaneously "at the same time") near3 (exposed "subjected to")) and ((non\$1 reactive inert nitrogen) near3 (liquid gas fluid))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/27 15:40
S294	4	(chamber space cavity volume) and ((each every all entire) near3 (sample specimen analyte)) and ((simultaneously "at the same time") near3 (exposed "subjected to")) and (reactive near3 (liquid gas fluid))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/27 15:41
S295	332877	(analyzer (analysis near3 (unit portion module section part instrument device apparatus appliance)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/27 15:41
S296	109548	((plural many several plurality multiple numerous multiplicity) near3 (sample specimen analyte))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/27 15:42

## EAST Search History

S297	23736	S295 and S296	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/27 15:42
S298	4	S297 and S293	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/27 15:43
S299	0	S297 and S294	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/27 15:43
S300	4	S293 and S294	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/27 15:43
S301	3	((sample specimen) near3 (chamber cavity housing enclosure vessel)) and ((non\$1reactive "non-reactive" inert nitrogen) near3 (fluid liquid gas vapor mist fog)) and (reactive near3 (fluid liquid gas vapor mist fog)) and ((simultaneous "at the same time" simultaneously coincidently concurrently "at the same instant") near3 (expose exposure)) and (analyzer computer processor (programmable near3 logic near3 (unit device)) micro\$1computer micro\$1processor micro\$1controller controller)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 07:22
S302	2632	((plural many plurality several multiple numerous multiplicity various) near3 (sample specimen) near3 (chamber cavity housing enclosure vessel))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 08:12
S303	26951	((non\$1reactive "non-reactive" inert nitrogen) near3 (fluid liquid gas vapor mist fog)) and (reactive near3 (fluid liquid gas vapor mist fog))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 07:21

## EAST Search History

S304	10655	((simultaneous "at the same time" simultaneously coincidently concurrently "at the same instant") near3 (expose exposure))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 07:21
S305	3907836	(analyzer computer processor (programmable near3 logic near3 (unit device)) micro\$1computer micro\$1processor micro\$1controller controller)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 07:22
S306	2590	((plural many plurality several multiple numerous multiplicity various) near3 (sample specimen) near3 (testing examining investigating examination investigation inspecting inspection))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 10:01
S307	1	S302 and S303 and S304 and S305 and S306	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 07:53
S308	1	S302 and S303 and S304 and S305	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 07:53
S309	1	S302 and S303 and S304 and S306	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 07:53
S310	1	S302 and S303 and S305 and S306	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 07:53

## EAST Search History

S311	5	S302 and S304 and S305 and S306	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 07:53
S312	1	S303 and S304 and S305 and S306	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 07:55
S313	1	S302 and S303 and S304	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 07:55
S314	27	S302 and S303 and S305	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 08:10
S315	1	S302 and S303 and S306	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 07:50
S316	13	S302 and S304 and S305	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 07:50
S317	5	S302 and S304 and S306	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 07:51

## EAST Search History

S318	123	S302 and S305 and S306	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 07:50
S319	44	S303 and S304 and S305	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 07:50
S320	1	S303 and S304 and S306	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 07:50
S321	115	S303 and S305 and S306	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 07:50
S322	16	S304 and S305 and S306	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 07:51
S323	37	S302 and S303	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 07:51
S324	15	S302 and S304	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 07:51

## EAST Search History

S325	1448	S302 and S305	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 07:51
S326	166	S302 and S306	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 07:52
S327	93	S303 and S304	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 07:52
S328	8984	S303 and S305	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 07:52
S329	121	S303 and S306	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 07:52
S330	3527	S304 and S305	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 07:52
S331	21	S304 and S306	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 07:52

## EAST Search History

S332	1362	S305 and S306	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 07:52
S333	1	"6790620".pn. and S302	USPAT	OR	ON	2007/02/28 08:11
S334	1	"6790620".pn. and S303	USPAT	OR	ON	2007/02/28 08:11
S335	0	"6790620".pn. and S304	USPAT	OR	ON	2007/02/28 08:11
S336	1	"6790620".pn. and S305	USPAT	OR	ON	2007/02/28 08:11
S337	0	"6790620".pn. and S306	USPAT	OR	ON	2007/02/28 08:12
S338	1460	((separate isolated remote) near3 (sample specimen) near3 (chamber cavity housing enclosure vessel))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 08:12
S339	0	"6790620".pn. and S338	USPAT	OR	ON	2007/02/28 08:14
S340	4572	((apparatus device mechanism machine instrument appliance) with (inspection examination investigation inspecting examining investigating testing) with (several many plural multiple numerous plurality set group collection multiplicity) with (specimen sample))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 08:18
S341	0	((chamber cavity space volume vessel housing enclosure) same ((each every all) with (specimen sample)) same ((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidently concurrently) with (exposure exposed)) same (("non-reactive" non\$1 reactive inert argon krypton nitrogen xenon neon) near3 (gas vapor liquid fluid)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 08:27
S342	0	((another separate isolated separated isolated remote) with (chamber cavity space volume vessel housing enclosure)) same ((each every all) with (specimen sample)) same ((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidently concurrently) with (exposure exposed)) same ((reactive oxygen hydrogen) near3 (gas vapor liquid fluid)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 08:27



## EAST Search History

S343	75	((chamber cavity space volume vessel housing enclosure) and ((each every all) with (specimen sample)) and ((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidently concurrently) with (exposure exposed)) and (("non-reactive" non\$1 reactive inert argon krypton nitrogen xenon neon) near3 (gas vapor liquid fluid)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 08:36
S344	4	((another separate isolated separated isolated remote) with (chamber cavity space volume vessel housing enclosure)) and ((each every all) with (specimen sample)) and ((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidently concurrently) with (exposure exposed)) and ((reactive oxygen hydrogen) near3 (gas vapor liquid fluid)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 08:28
S345	0	S340 and S343 and S344 and S305	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 08:29
S346	1974	S340 and S305	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 08:31
S347	0	S340 and S305 and S343	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 08:29
S348	0	S340 and S305 and S344	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 08:29

## EAST Search History

S349	0	S340 and S305 and ((each every all) with (specimen sample)) and ((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidently concurrently) with (exposure exposed)) and (("non-reactive" non\$1reactive inert argon krypton nitrogen xenon neon) near3 (gas vapor liquid fluid)) and ((each every all) with (specimen sample)) and ((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidently concurrently) with (exposure exposed)) and ((reactive oxygen hydrogen) near3 (gas vapor liquid fluid))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 08:37
S350	1	S340 and S305 and ((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidently concurrently) with (exposure exposed)) and (("non-reactive" non\$1reactive inert argon krypton nitrogen xenon neon) near3 (gas vapor liquid fluid)) and ((reactive oxygen hydrogen) near3 (gas vapor liquid fluid))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 08:36
S351	44215	((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidently concurrently) with (exposure exposed))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 08:35
S352	582314	((("non-reactive" non\$1reactive inert argon krypton nitrogen xenon neon) near3 (gas vapor liquid fluid))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 08:35
S353	447934	((reactive oxygen hydrogen) near3 (gas vapor liquid fluid))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 09:38
S354	8382409	(chamber cavity space volume vessel housing enclosure)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 08:36

## EAST Search History

S355	40816	((each every all) with (specimen sample))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 08:37
S356	233	702/24.ccls. and (S340 S351 S352 S353 S354 S355)	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/28 08:57
S357	182	702/25.ccls. and (S340 S351 S352 S353 S354 S355)	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/28 08:38
S358	300	702/30.ccls. and (S340 S351 S352 S353 S354 S355)	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/28 08:38
S359	173	702/31.ccls. and (S340 S351 S352 S353 S354 S355)	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/28 08:38
S360	3064	g06f19/00.ipc. and (S340 S351 S352 S353 S354 S355)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 09:02
S361	23702	"702"/\$.ccls. and (S340 S351 S352 S353 S354 S355)	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/28 08:59
S362	23333	"702"/\$.ccls. and (S340 S352 S353 S354)	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/28 09:00
S363	2	"702"/\$.ccls. and (S340 S352 S353 S354)	US-PGPUB; USPAT; USOCR	AND	ON	2007/02/28 09:02
S364	0	g06f19/00.ipc. and (S340 S352 S353 S354)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/02/28 09:02
S365	2632	((plural many plurality several multiple numerous multiplicity various) near3 (sample specimen) near3 (chamber cavity housing enclosure vessel))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 12:59

## EAST Search History

S366	3907836	(analyzer computer processor (programmable near3 logic near3 (unit device)) micro\$1computer micro\$1processor micro\$1controller controller)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 10:02
S367	1460	((separate isolated remote) near3 (sample specimen) near3 (chamber cavity housing enclosure vessel))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 10:47
S368	582314	((("non-reactive" non\$1reactive inert argon krypton nitrogen xenon neon) near3 (gas vapor liquid fluid))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 10:20
S369	447934	((reactive oxygen hydrogen) near3 (gas vapor liquid fluid))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 10:28
S370	551	"702"/\$.ccls. and "436"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/28 10:21
S371	2788	((apparatus device mechanism machine instrument) with (testing inspecting examining investigating inspection examination investigation) with (plural many plurality several multiple numerous multiplicity various) with (sample specimen) )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 11:38
S372	92995	((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidently concurrently) with (exposure exposed subject subjected))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 10:46
S373	1	(S365 S366 S367 S368 S369 S371 S372)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/02/28 10:49

## EAST Search History

S374	1	(S365 S366 S367 S368 S369 S372)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/02/28 10:48
S375	1	(S365 S366 S368 S369 S371 S372)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/02/28 10:49
S376	1	(S365 S367 S368 S369 S371 S372)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/02/28 10:50
S377	1	(S365 S367 S368 S369 S372)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/02/28 10:50
S378	3	(S365 S368 S369 S372)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/02/28 10:50
S379	3010	(S368 S369 S372)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/02/28 10:51
S380	195	(S368 S369 S372)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	SAME	ON	2007/02/28 10:51

## EAST Search History

S381	32	((plural many plurality several multiple numerous multiplicity various) near3 (sample specimen)) and (chamber cavity housing enclosure vessel port holder) and (((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidently concurrently) with (exposure exposed subject subjected)) same (((("non-reactive" non\$1reactive inert argon krypton nitrogen xenon neon) near3 (gas vapor liquid fluid))) ((reactive oxygen hydrogen) near3 (gas vapor liquid fluid))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 12:39
S382	1	((plural many plurality several multiple numerous multiplicity various) near3 (sample specimen)) and ((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidently concurrently) with (exposure exposed subject subjected) with (((("non-reactive" non\$1reactive inert argon krypton nitrogen xenon neon) near3 (gas vapor liquid fluid))) and ((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidently concurrently) with (exposure exposed subject subjected) with ((reactive oxygen hydrogen) near3 (gas vapor liquid fluid))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 11:11
S383	36	((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidently concurrently) with (exposure exposed subject subjected) with (((("non-reactive" non\$1reactive inert argon krypton nitrogen xenon neon) near3 (gas vapor liquid fluid))) and ((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidently concurrently) with (exposure exposed subject subjected) with ((reactive oxygen hydrogen) near3 (gas vapor liquid fluid))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 11:25
S384	11	((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidently concurrently) near4 (exposure exposed subject subjected) with (((("non-reactive" non\$1reactive inert argon krypton nitrogen xenon neon) near3 (gas vapor liquid fluid))) and ((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidently concurrently) near4 (exposure exposed subject subjected) with ((reactive oxygen hydrogen) near3 (gas vapor liquid fluid))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 11:16

## EAST Search History

S385	2	((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidently concurrently) near4 (exposure exposed subject subjected) with (("non-reactive" non\$I reactive inert argon krypton nitrogen xenon neon) near3 (gas vapor liquid fluid))) and ((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidently concurrently) near4 (exposure exposed subject subjected) with ((reactive oxygen hydrogen) near3 (gas vapor liquid fluid))) and (analyzer computer processor (programmable near3 logic near3 (unit device)) micro\$I computer micro\$I processor micro\$I controller controller)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 11:18
S386	1	((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidently concurrently) near4 (exposure exposed subject subjected) with (("non-reactive" non\$I reactive inert argon krypton nitrogen xenon neon) near3 (gas vapor liquid fluid))) and ((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidently concurrently) near4 (exposure exposed subject subjected) with ((reactive oxygen hydrogen) near3 (gas vapor liquid fluid))) and (((plural many plurality several multiple numerous multiplicity various) near3 (sample specimen)) ((plural many plurality several multiple numerous multiplicity various) near3 (chamber cavity housing enclosure vessel)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 11:20
S387	92	((apparatus device mechanism machine instrument) with (testing inspecting examining investigating inspection examination investigation) with (plural many plurality several multiple numerous multiplicity various) with (chemical (thin near3 film)) with (sample specimen) )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 11:22
S388	55	((apparatus device mechanism machine instrument) with (testing inspecting examining investigating inspection examination investigation) with (plural many plurality several multiple numerous multiplicity various) with (chemical (thin near3 film)) with (sample specimen) ) and (analyzer computer processor (programmable near3 logic near3 (unit device)) micro\$I computer micro\$I processor micro\$I controller controller)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 11:38

## EAST Search History

S389	2	((apparatus device mechanism machine instrument) with (testing inspecting examining investigating inspection examination investigation) with (plural many plurality several multiple numerous multiplicity various) with (chemical (thin near3 film)) with (sample specimen) ) and (analyzer computer processor (programmable near3 logic near3 (unit device)) micro\$1computer micro\$1processor micro\$1controller controller) and ((separate isolated remote plural many plurality several multiple numerous multiplicity various) near3 (sample specimen) near3 (chamber cavity housing enclosure vessel port holder))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 11:24
S390	5	((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidently concurrently) near5 (exposure exposed subject subjected) near5 (("non-reactive" non\$1reactive inert argon krypton nitrogen xenon neon) near3 (gas vapor liquid fluid))) and ((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidently concurrently) near5 (exposure exposed subject subjected) near5 ((reactive oxygen hydrogen) near3 (gas vapor liquid fluid)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 11:29
S391	1	((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidently concurrently) near5 (exposure exposed subject subjected) near5 (("non-reactive" non\$1reactive inert) near3 (gas vapor liquid fluid plasma))) and ((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidently concurrently) near5 (exposure exposed subject subjected) near5 ((reactive) near3 (gas vapor liquid fluid plasma)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 11:32
S392	1	((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidently concurrently) near5 (exposure exposed subject subjected) near5 (sample specimen) near5 (("non-reactive" non\$1reactive inert) near3 (gas vapor liquid fluid plasma))) and ((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidently concurrently) near5 (exposure exposed subject subjected) near5 (sample specimen) near5 ((reactive) near3 (gas vapor liquid fluid plasma)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 11:33



# EAST Search History

S393	1	((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidently concurrently) with (exposure exposed subject subjected) with (sample specimen) with (("non-reactive" non\$1 reactive inert) near3 (gas vapor liquid fluid plasma))) and ((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidently concurrently) with (exposure exposed subject subjected) with (sample specimen) with ((reactive) near3 (gas vapor liquid fluid plasma)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 11:34
S394	9	((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidently concurrently) same (exposure exposed subject subjected) same (sample specimen) same (("non-reactive" non\$1 reactive inert) near3 (gas vapor liquid fluid plasma))) and ((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidently concurrently) same (exposure exposed subject subjected) same (sample specimen) same ((reactive) near3 (gas vapor liquid fluid plasma)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 11:39
S395	165	((testing inspecting examining investigating inspection examination investigation) with (plural many plurality several multiple numerous multiplicity various) with (chemical (thin near3 film)) with (sample specimen) ) and (analyzer computer processor (programmable near3 logic near3 (unit device)) micro\$1 computer micro\$1 processor micro\$1 controller controller)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 11:38
S396	1	((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidently concurrently) near3 (exposure exposed subject subjected) near3 (sample specimen)) with (("non-reactive" non\$1 reactive inert) near3 (gas vapor liquid fluid plasma))) and (((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidently concurrently) near3 (exposure exposed subject subjected) near3 (sample specimen)) with ((reactive) near3 (gas vapor liquid fluid plasma)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 11:41
S397	2	((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidently concurrently) near3 (exposure exposed subject subjected) near3 (sample specimen)) and (("non-reactive" non\$1 reactive inert) near3 (gas vapor liquid fluid plasma)) and ((reactive) near3 (gas vapor liquid fluid plasma))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 11:43

## EAST Search History

S398	6	((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidently concurrently) near3 (exposure exposed subject subjected) near3 (sample specimen)) and (("non-reactive" non\$1 reactive inert) near3 (gas vapor liquid fluid plasma)) and (first near3 (chamber port))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 11:46
S399	3	((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidently concurrently) near3 (exposure exposed subject subjected) near3 (sample specimen)) and (reactive near3 (gas vapor liquid fluid plasma)) and (second near3 (chamber port))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 12:45
S400	1	((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidently concurrently) near3 (exposure exposed subject subjected) near3 (sample specimen)) same (("non-reactive" non\$1 reactive inert) near3 (gas vapor liquid fluid plasma))) and ((first prime initial primary start\$1 up starting beginning) near3 (chamber port))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 11:51
S401	1	((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidently concurrently) near3 (exposure exposed subject subjected) near3 (sample specimen)) same (reactive near3 (gas vapor liquid fluid plasma))) and ((second alternate additional secondary subsequent later following other another) near3 (chamber port))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 11:49
S402	9	((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidently concurrently) near3 (exposure exposed subject subjected) near3 (sample specimen)) same (gas vapor liquid fluid plasma)) and ((first prime initial primary start\$1 up starting beginning) near3 (chamber port)) and ((second alternate additional secondary subsequent later following other another) near3 (chamber port))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 11:55

## EAST Search History

S403	4	((chemical (thin adj film)) near3 (analysis analyzing testing inspecting investigating examining) near3 (instrument apparatus appliance device machine mechanism)) and ((plural first multiple second several subsequent numerous multiplicity initial primary secondary other additional ancillary another) near3 (chamber sample specimen port)) and ((reactive inert "non-reactive") near3 (gas fluid liquid vapor fog mist cloud flow flux)) and ((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidentally concurrently) near3 (exposure exposed subject subjected))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 12:04
S404	53	((chemical (thin adj film)) near3 (analysis analyzing testing inspecting investigating examining) ) and ((plural first multiple second several subsequent numerous multiplicity initial primary secondary other additional ancillary another) near3 (chamber sample specimen port)) and ((reactive inert "non-reactive") near3 (gas fluid liquid vapor fog mist cloud flow flux)) and ((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidentally concurrently) near3 (exposure exposed subject subjected))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 12:24
S405	1	((plural first multiple second several subsequent numerous multiplicity initial primary secondary other additional ancillary another) near3 chamber) and (reactive near3 (gas fluid liquid vapor fog mist cloud flow flux)) and (("non-reactive" inert argon krypton nitrogen) near3 (gas fluid liquid vapor fog mist cloud flow flux)) and ((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidentally concurrently) near3 (exposure exposed subject subjected) near3 (sample specimen))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 12:29
S406	0	((plural first multiple second several subsequent numerous multiplicity initial primary secondary other additional ancillary another) near3 chamber) and (reactive near3 (gas fluid liquid vapor fog mist cloud flow flux)) and (("non-reactive" inert argon krypton nitrogen) near3 (gas fluid liquid vapor fog mist cloud flow flux)) and ((each every all) near3 (simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidentally concurrently) near3 (exposure exposed subject subjected) near3 (sample specimen))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 12:28

## EAST Search History

S407	47	((plural multiple several numerous multiplicity numerous plurality) near3 (sample specimen)) and ((plural first multiple second several subsequent numerous multiplicity initial primary secondary other additional ancillary another numerous plurality) near3 chamber) and ((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidently concurrently) near3 (exposure exposed subject subjected) near3 (sample specimen))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 12:31
S408	1	(((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidently concurrently) near3 (exposure exposed subject subjected)) same ((("non-reactive" non\$1reactive inert argon krypton nitrogen xenon neon) near3 (gas vapor liquid fluid)) same (first near3 chamber)) and (((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidently concurrently) near3 (exposure exposed subject subjected)) same (((reactive oxygen hydrogen) near3 (gas vapor liquid fluid)) same (first near3 chamber)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 13:05
S409	1	(((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidently concurrently) near3 (exposure exposed subject subjected)) same ((("non-reactive" non\$1reactive inert argon krypton nitrogen xenon neon) near3 (gas vapor liquid fluid)) same (first near3 chamber)) and (((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidently concurrently) near3 (exposure exposed subject subjected)) same (((reactive oxygen hydrogen) near3 (gas vapor liquid fluid)) same (second near3 chamber)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 12:43
S410	43	(((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidently concurrently) near3 (exposure exposed subject subjected)) same ((("non-reactive" non\$1reactive inert argon krypton nitrogen xenon neon) near3 (gas vapor liquid fluid))) and (((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidently concurrently) near3 (exposure exposed subject subjected)) same ((reactive oxygen hydrogen) near3 (gas vapor liquid fluid))) and chamber	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 12:54

## EAST Search History

S411	14	((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidently concurrently) near3 (exposure exposed subject subjected)) same ((("non-reactive" non\$1reactive inert argon krypton nitrogen xenon neon) near3 (gas vapor liquid fluid))) and (((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidently concurrently) near3 (exposure exposed subject subjected)) same ((reactive oxygen hydrogen) near3 (gas vapor liquid fluid))) and chamber and (analyzer computer processor (((programmable near3 logic) analysis) near3 (unit device)) micro\$1computer micro\$1processor micro\$1controller controller)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 12:48
S412	1	((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidently concurrently) near3 (exposure exposed subject subjected) near3 (sample specimen)) same ((("non-reactive" non\$1reactive inert argon krypton nitrogen xenon neon) near3 (gas vapor liquid fluid))) and (((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidently concurrently) near3 (exposure exposed subject subjected) near3 (sample specimen)) same ((reactive oxygen hydrogen) near3 (gas vapor liquid fluid))) and chamber	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 13:02
S413	9423	((testing examining investigating inspecting inspection examination investigation) with (plural many plurality several multiple numerous multiplicity various) with (sample specimen) )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 13:12
S414	135347	((reaction sample specimen) near3 (chamber pod holder))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 13:03
S415	581	((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidently concurrently) near3 (exposure exposed subject subjected) near3 (sample specimen))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 13:11

## EAST Search History

S416	6119	((other additional separate isolated remote subsequent ancillary) near4 (reaction sample specimen) near3 (chamber pod holder))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 13:04
S417	582314	((("non-reactive" non\$1reactive inert argon krypton nitrogen xenon neon) near3 (gas vapor liquid fluid))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 13:06
S418	4952	((reactive oxygen hydrogen) near3 (gas vapor liquid fluid)) same (first near3 chamber))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 13:06
S419	1920	S413 and S414	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 13:07
S420	23	S413 and S414 and S415	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 13:08
S421	2	S413 and S414 and S415 and S416	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 13:07
S422	2	S413 and S414 and S415 and S417	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 13:07

## EAST Search History

S423	1	S413 and S414 and S415 and S418	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 13:07
S424	2590	S417 and S418	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 13:08
S425	2	S415 and S417 and S418	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 13:08
S426	1	((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidently concurrently) near3 (exposure exposed subject subjected) near3 (each every all) near3 (sample specimen))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 13:11
S427	42	((testing examining investigating inspecting inspection examination investigation) with (plural many plurality several multiple numerous multiplicity various) with (sample specimen) ) and ((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidently concurrently) near3 (exposure exposed subject subjected) near3 (sample specimen))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 13:13
S428	36	((testing examining investigating inspecting inspection examination investigation) with (plural many plurality several multiple numerous multiplicity various) with (sample specimen) ) and ((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidently concurrently) near3 (exposure exposed subject subjected) near3 (sample specimen)) and (chamber housing enclosure vessel pod tray holder)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 13:15

## EAST Search History

S429	28	((testing examining investigating inspecting inspection examination investigation) with (plural many plurality several multiple numerous multiplicity various) with (sample specimen) ) and ((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidentally concurrently) near3 (exposure exposed subject subjected) near3 (sample specimen)) and (chamber housing enclosure vessel pod tray holder) and (gas vapor liquid fluid)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 13:16
S430	20	((testing examining investigating inspecting inspection examination investigation) with (plural many plurality several multiple numerous multiplicity various) with (sample specimen) ) and ((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidentally concurrently) near3 (exposure exposed subject subjected) near3 (sample specimen)) and (chamber housing enclosure vessel pod tray holder) and (gas vapor liquid fluid) and (analyzer computer processor (programmable near3 logic near3 (unit device)) micro\$Icomputer micro\$Iprocessor micro\$Icontroller controller)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 13:21
S431	0	((each every all) near3 (sample specimen) near3 (simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidentally concurrently) near3 (exposure exposed subject subjected)) and (chamber housing enclosure vessel pod tray holder) and ((reaction reactive inert "non-reactive") near3 (gas vapor liquid fluid)) and (analyzer computer processor (programmable near3 logic near3 (unit device)) micro\$Icomputer micro\$Iprocessor micro\$Icontroller controller)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 13:26
S432	0	((each every all) near3 (sample specimen) near3 (simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidentally concurrently) near3 (exposure exposed subject subjected)) same ((reaction reactive inert "non-reactive") near3 (gas vapor liquid fluid))) and (analyzer computer processor (programmable near3 logic near3 (unit device)) micro\$Icomputer micro\$Iprocessor micro\$Icontroller controller)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 13:25



## EAST Search History

S433	0	((each every all) near3 (sample specimen) near3 (simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidentally concurrently) near3 (exposure exposed subject subjected)) same ((reaction reactive inert "non-reactive") near3 (gas vapor liquid fluid)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 13:25
S434	0	((each every all) near3 (sample specimen) near3 (simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidentally concurrently) near3 (exposure exposed subject subjected)) same ( (gas vapor liquid fluid)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 13:25
S435	0	((each every all) near3 (sample specimen) near3 (simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidentally concurrently) near3 (exposure exposed subject subjected)) )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 13:25
S436	48	((sample specimen) near3 (simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidentally concurrently) near3 (exposure exposed subject subjected)) and (chamber housing enclosure vessel pod tray holder) and ((reaction reactive inert "non-reactive") near3 (gas vapor liquid fluid)) and (analyzer computer processor (programmable near3 logic near3 (unit device)) micro\$1computer micro\$1processor micro\$1controller controller)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 13:29
S437	15	((sample specimen) near3 (simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidentally concurrently) near3 (exposure exposed subject subjected)) and ((plural first multiple second several subsequent numerous multiplicity initial primary secondary other additional ancillary another) near3 (chamber housing enclosure vessel pod tray holder)) and ((reaction reactive inert "non-reactive") near3 (gas vapor liquid fluid)) and (analyzer computer processor (programmable near3 logic near3 (unit device)) micro\$1computer micro\$1processor micro\$1controller controller)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 13:42

## EAST Search History

S438	0	(chemical near3 (analysis testing) near3 (apparatus instrument device mechanism machine)) and ((testing analyzing analysis) with ((plural many plurality several multiple numerous multiplicity group collection) near3 (sample analyte specimen))) and ((test testing analysis analyzing reaction reacting) near3 (chamber structure)) and . (((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidently concurrently) with (exposure exposed subject subjected expose) with (sample analyte specimen)) same ((reactive "non-reactive" non\$1reactive inert) near3 (gas fluid plasma liquid vapor mist fog spray flux cloud))) and ((separate isolated separated remote adjacent removed) near3 (chamber structure)) and (analyzer computer processor (programmable near3 logic near3 (unit device)) micro\$1computer micro\$1processor micro\$1controller controller)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 15:02
S439	1	((testing analyzing analysis) with ((plural many plurality several multiple numerous multiplicity group collection) near3 (sample analyte specimen))) and ((test testing analysis analyzing reaction reacting) near3 (chamber structure)) and (((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidently concurrently) with (exposure exposed subject subjected expose) with (sample analyte specimen)) same ((reactive "non-reactive" non\$1reactive inert) near3 (gas fluid plasma liquid vapor mist fog spray flux cloud))) and ((separate isolated separated remote adjacent removed) near3 (chamber structure)) and (analyzer computer processor (programmable near3 logic near3 (unit device)) micro\$1computer micro\$1processor micro\$1controller controller)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 15:04

## EAST Search History

S440	5	((testing analyzing analysis) with ((plural many plurality several multiple numerous multiplicity group collection) near3 (sample analyte specimen))) and (((test testing analysis analyzing reaction reacting) near3 (chamber structure)) and (((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidently concurrently) with (exposure exposed subject subjected expose) with (sample analyte specimen))) and (( "non-reactive" non\$1reactive inert) near3 (gas fluid plasma liquid vapor mist fog spray flux cloud)) and (reactive near3 (gas fluid plasma liquid vapor mist fog spray flux cloud)) and ((separate isolated separated remote adjacent removed) near3 (chamber structure)) and (analyzer computer processor (programmable near3 logic near3 (unit device)) micro\$1computer micro\$1processor micro\$1controller controller)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 15:08
S441	6	((testing analyzing analysis) with ((plural many plurality several multiple numerous multiplicity group collection) near3 (sample analyte specimen))) and (((simultaneous "at the same instant" "at the same time" simultaneously coincident concurrent coincidently concurrently) with (exposure exposed subject subjected expose) with (sample analyte specimen))) and (( "non-reactive" non\$1reactive inert) near3 (gas fluid plasma liquid vapor mist fog spray flux cloud)) and (reactive near3 (gas fluid plasma liquid vapor mist fog spray flux cloud)) and (analyzer computer processor (programmable near3 logic near3 (unit device)) micro\$1computer micro\$1processor micro\$1controller controller)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 15:09
S442	0	(apparatus testing plurality sample first chamber each sample simultaneously exposed non-reactive fluid second chamber isolated first chamber each sample simultaneously exposed reactive fluid analyzer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/02/28 15:16
S443	0	(apparatus same testing same plurality same sample) and (((first near3 chamber) same (each near3 sample near3 simultaneously near3 exposed) same (("non-reactive" non\$1reactive) near3 fluid))) and ((second near3 chamber) same isolated same (each near3 sample near3 simultaneously near3 exposed) same (reactive near3 fluid)) and analyzer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 15:23

## EAST Search History

S444	0	(((first near3 chamber) same ((each every all) near3 sample near3 (simultaneously concurrently coincidently "at the same time" "at the same instant") near3 (exposed subject exposure subjected)) same (("non-reactive" non\$1reactive) near3 fluid)))) and (((second other another additional subsequent secondary remote removed isolated separated) near3 chamber) same ((each every all) near3 sample near3 (simultaneously concurrently coincidently "at the same time" "at the same instant") near3 (exposed subject exposure subjected)) same (reactive near3 fluid)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 15:29
S445	0	(((first near3 chamber) same ((each every all) near3 sample near3 (simultaneously concurrently coincidently "at the same time" "at the same instant") near3 (exposed subject exposure subjected)) same (("non-reactive" non\$1reactive) near3 (fluid gas liquid vapor fog mist cloud)))) and (((second other another additional subsequent secondary remote removed isolated separated) near3 chamber) same ((each every all) near3 sample near3 (simultaneously concurrently coincidently "at the same time" "at the same instant") near3 (exposed subject exposure subjected)) same (reactive near3 (fluid gas liquid vapor fog mist cloud))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 15:31
S446	0	((chamber same ((each every all) near3 sample near3 (simultaneously concurrently coincidently "at the same time" "at the same instant") near3 (exposed subject exposure subjected)) same (("non-reactive" non\$1reactive) near3 (fluid gas liquid vapor fog mist cloud)))) and ( chamber same ((each every all) near3 sample near3 (simultaneously concurrently coincidently "at the same time" "at the same instant") near3 (exposed subject exposure subjected)) same (reactive near3 (fluid gas liquid vapor fog mist cloud))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 15:46
S447	0	((chamber same ((each every all) near3 sample near3 (simultaneously concurrently coincidently "at the same time" "at the same instant") near3 (exposed subject exposure subjected)) and (("non-reactive" non\$1reactive) near3 (fluid gas liquid vapor fog mist cloud)))) and ( chamber same ((each every all) near3 sample near3 (simultaneously concurrently coincidently "at the same time" "at the same instant") near3 (exposed subject exposure subjected)) and (reactive near3 (fluid gas liquid vapor fog mist cloud)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 15:34

## EAST Search History

S448	0	((test reaction testing reacting sample) near3 chamber) and ((each every all) near3 sample near3 (simultaneously concurrently coincidently "at the same time" "at the same instant") near3 (exposed subject exposure subjected)) and (("non-reactive" non\$1 reactive) near3 (fluid gas liquid vapor fog mist cloud)) and ( ((each every all) near3 sample near3 (simultaneously concurrently coincidently "at the same time" "at the same instant") near3 (exposed subject exposure subjected))) and (reactive near3 (fluid gas liquid vapor fog mist cloud))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 15:36
S449	0	((test reaction testing reacting sample) near3 chamber) and ((each every all) near3 sample near3 (simultaneously concurrently coincidently "at the same time" "at the same instant") near3 (exposed subject exposure subjected)) and (("non-reactive" non\$1 reactive) near3 (fluid gas liquid vapor fog mist cloud)) and (reactive near3 (fluid gas liquid vapor fog mist cloud))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 15:37
S450	0	chamber and ((each every all) near3 sample near3 (simultaneously concurrently coincidently "at the same time" "at the same instant") near3 (exposed subject exposure subjected)) and (("non-reactive" non\$1 reactive) near3 (fluid gas liquid vapor fog mist cloud)) and (reactive near3 (fluid gas liquid vapor fog mist cloud))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 15:37
S451	0	((each every all) near3 sample near3 (simultaneously concurrently coincidently "at the same time" "at the same instant") near3 (exposed subject exposure subjected)) and (("non-reactive" non\$1 reactive) near3 (fluid gas liquid vapor fog mist cloud)) and (reactive near3 (fluid gas liquid vapor fog mist cloud))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 15:37
S452	1	( sample near3 (simultaneously concurrently coincidently "at the same time" "at the same instant") near3 (exposed subject exposure subjected)) and (("non-reactive" non\$1 reactive) near3 (fluid gas liquid vapor fog mist cloud)) and (reactive near3 (fluid gas liquid vapor fog mist cloud))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 15:38
S453	20	( sample near3 (simultaneously concurrently coincidently "at the same time" "at the same instant") near3 (exposed subject exposure subjected)) and ((inert nitrogen argon krypton helium) near3 (fluid gas liquid vapor fog mist cloud)) and ((oxygen hydrogen ammonia) near3 (fluid gas liquid vapor fog mist cloud))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 15:43

## EAST Search History

S454	549	( sample same (simultaneously concurrently coincidently "at the same time" "at the same instant") same (exposed subject exposure subjected)) and (("non-reactive" non\$1reactive "non-reacting" non\$1reacting inert nitrogen argon krypton helium) near3 (fluid gas liquid vapor fog mist cloud)) and ((reactive reaction reactingoxygen hydrogen ammonia) near3 (fluid gas liquid vapor fog mist cloud))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 15:44
S455	111	(chamber same sample same (simultaneously concurrently coincidently "at the same time" "at the same instant") same (exposed subject exposure subjected)) and (("non-reactive" non\$1reactive "non-reacting" non\$1reacting inert nitrogen argon krypton helium) near3 (fluid gas liquid vapor fog mist cloud)) and ((reactive reaction reactingoxygen hydrogen ammonia) near3 (fluid gas liquid vapor fog mist cloud))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON /	2007/03/06 06:59
S456	302	chamber and (sample same (simultaneously concurrently coincidently "at the same time" "at the same instant") same (exposed subject exposure subjected)) and (("non-reactive" non\$1reactive "non-reacting" non\$1reacting inert nitrogen argon krypton helium) near3 (fluid gas liquid vapor fog mist cloud)) and ((reactive reaction reactingoxygen hydrogen ammonia) near3 (fluid gas liquid vapor fog mist cloud))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/28 15:47
S457	72	(( specimen analyte sample) same (simultaneously concurrently coincidently "at the same time" "at the same instant") same (exposed subject exposure subjected)) same (("non-reactive" non\$1reactive "non-reacting" non\$1reacting inert nitrogen argon krypton helium) near3 (fluid gas liquid vapor fog mist cloud)) same ((reactive reaction reactingoxygen hydrogen ammonia) near3 (fluid gas liquid vapor fog mist cloud))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/03/06 07:30

## EAST Search History

S458	1	( (specimen analyte sample) with (simultaneously concurrently coincidently "at the same time" "at the same instant") with (exposed subject exposure subjected) same (("non-reactive" non\$I reactive "non-reacting" non\$I reacting inert nitrogen argon krypton helium) near3 (fluid gas liquid vapor fog mist cloud)) same ((reactive reaction reactingoxygen hydrogen ammonia) near3 (fluid gas liquid vapor fog mist cloud)) and (analyser (analysis near3 (module section portion part device)) computer processor micro\$I computer micro\$I processor) and ((several plural many plurality multiplicity numerous multiple) near3 (chamber port holder))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/03/06 07:07
S459	1	(specimen analyte sample) same (simultaneously concurrently coincidently "at the same time" "at the same instant") same (exposed subject exposure subjected) same (("non-reactive" non\$I reactive "non-reacting" non\$I reacting inert nitrogen argon krypton helium) near3 (fluid gas liquid vapor fog mist cloud)) same ((reactive reaction reactingoxygen hydrogen ammonia) near3 (fluid gas liquid vapor fog mist cloud)) and (analyser (analysis near3 (module section portion part device)) computer processor micro\$I computer micro\$I processor) and ((several plural many plurality multiplicity numerous multiple) near3 (chamber port holder))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/03/06 07:08
S460	9	(specimen analyte sample) same (simultaneously concurrently coincidently "at the same time" "at the same instant") same (exposed subject exposure subjected) same (("non-reactive" non\$I reactive "non-reacting" non\$I reacting inert nitrogen argon krypton helium) near3 (fluid gas liquid vapor fog mist cloud)) same ((reactive reaction reactingoxygen hydrogen ammonia) near3 (fluid gas liquid vapor fog mist cloud)) and (analyser (analysis near3 (module section portion part device)) computer processor micro\$I computer micro\$I processor) and (chamber port holder)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/03/06 07:10

## EAST Search History

S461	1	(specimen analyte sample) same ((simultaneously concurrently coincidently "at the same time" "at the same instant") with (exposed subject exposure subjected subjecting exposing)) same (("non-reactive" non\$I reactive "non-reacting" non\$I reacting inert nitrogen argon krypton helium) near3 (fluid gas liquid vapor fog mist cloud)) same ((reactive reaction reactingoxygen hydrogen ammonia) near3 (fluid gas liquid vapor fog mist cloud)) and (analyser (analysis near3 (module section portion part device)) computer processor micro\$I computer micro\$I processor chromatograph spectrograph spectrometer chromatometer spectrographic chromatographic) and ((several many plural numerous multiple plurality multiplicity) with (chamber cavity port holder))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/03/06 07:13
S462	3	(specimen analyte sample) same ((simultaneously concurrently coincidently "at the same time" "at the same instant") with (exposed subject exposure subjected subjecting exposing)) same (("non-reactive" non\$I reactive "non-reacting" non\$I reacting inert nitrogen argon krypton helium) near3 (fluid gas liquid vapor fog mist cloud)) same ((reactive reaction reactingoxygen hydrogen ammonia) near3 (fluid gas liquid vapor fog mist cloud)) and (analyser (analysis near3 (module section portion part device)) computer processor micro\$I computer micro\$I processor chromatograph spectrograph spectrometer chromatometer spectrographic chromatographic) and (chamber cavity port holder)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/03/06 07:15
S463	5	((chamber cavity port holder) with (specimen analyte sample) with ((simultaneously concurrently coincidently "at the same time" "at the same instant") with (exposed subject exposure subjected subjecting exposing)) same (("non-reactive" non\$I reactive "non-reacting" non\$I reacting inert nitrogen argon krypton helium) near3 (fluid gas liquid vapor fog mist cloud)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/03/06 07:24



## EAST Search History

S464	1	((chamber cavity port holder) with (specimen analyte sample).with ((simultaneously concurrently coincidently "at the same time" "at the same instant") with (exposed subject exposure subjected subjecting exposing)) same (("non-reactive" non\$1reactive "non-reacting" non\$1reacting inert nitrogen argon krypton helium) near3 (fluid gas liquid vapor fog mist cloud))) and ((chamber cavity port holder) with (specimen analyte sample) with ((simultaneously concurrently coincidently "at the same time" "at the same instant") with (exposed subject exposure subjected subjecting exposing)) same ((reactive reaction reactingoxygen hydrogen ammonia) near3 (fluid gas liquid vapor fog mist cloud)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/03/06 07:18
S465	11	(((chamber cavity port holder) with (specimen analyte sample) with ((simultaneously concurrently coincidently "at the same time" "at the same instant") with (exposed subject exposure subjected subjecting exposing)) same (("non-reactive" non\$1reactive "non-reacting" non\$1reacting inert nitrogen argon krypton helium) near3 (fluid gas liquid vapor fog mist cloud))) ((chamber cavity port holder) with (specimen analyte sample) with ((simultaneously concurrently coincidently "at the same time" "at the same instant") with (exposed subject exposure subjected subjecting exposing)) same ((reactive reaction reactingoxygen hydrogen ammonia) near3 (fluid gas liquid vapor fog mist cloud))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/03/06 07:22

## EAST Search History

S466	6	(((chamber cavity port holder) with (specimen analyte sample) with ((simultaneously concurrently coincidently "at the same time" "at the same instant") with (exposed subject exposure subjected subjecting exposing)) same (("non-reactive" non\$Ireactive "non-reacting" non\$Ireacting inert nitrogen argon krypton helium) near3 (fluid gas liquid vapor fog mist cloud))) ((chamber cavity port holder) with (specimen analyte sample) with ((simultaneously concurrently coincidently "at the same time" "at the same instant") with (exposed subject exposure subjected subjecting exposing)) same ((reactive reaction reactingoxygen hydrogen ammonia) near3 (fluid gas liquid vapor fog mist cloud)))) and (analyser (analysis near3 (module section portion part device)) computer processor micro\$Icomputer micro\$Iprocessor chromatograph spectrograph spectrometer chromatometer spectrographic chromatographic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/03/06 07:22
S467	6	(((chamber cavity port holder) with (specimen analyte sample) with ((simultaneously concurrently coincidently "at the same time" "at the same instant") with (exposed subject exposure subjected subjecting exposing)) same (("non-reactive" non\$Ireactive "non-reacting" non\$Ireacting inert nitrogen argon krypton helium) near3 (fluid gas liquid vapor fog mist cloud))) ((chamber cavity port holder) with (specimen analyte sample) with ((simultaneously concurrently coincidently "at the same time" "at the same instant") with (exposed subject exposure subjected subjecting exposing)) same ((reactive reaction reactingoxygen hydrogen ammonia) near3 (fluid gas liquid vapor fog mist cloud)))) and (analyser (analysis near3 (module section portion part device)) computer processor micro\$Icomputer micro\$Iprocessor chromatograph spectrograph spectrometer chromatometer spectrographic chromatographic) and ((several many plural numerous multiple plurality multiplicity) with (specimen analyte sample))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/03/06 07:20
S468	2	((chamber cavity port holder) with (specimen analyte sample) with ((simultaneously concurrently coincidently "at the same time" "at the same instant") with (exposed subject exposure subjected subjecting exposing)) with (("non-reactive" non\$Ireactive "non-reacting" non\$Ireacting inert nitrogen argon krypton helium) near3 (fluid gas liquid vapor fog mist cloud)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/03/06 07:25

## EAST Search History

8469	6	((chamber cavity port holder) with (specimen analyte sample) with ((simultaneously concurrently coincidently "at the same time" "at the same instant") with (exposed subject exposure subjected subjecting exposing)) with ((reactive reaction reactingoxygen hydrogen ammonia) near3 (fluid gas liquid vapor fog mist cloud)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/03/06 07:25
------	---	---	--	----	----	------------------